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## (54) THERMOPLASTIC RESIN COMPOSITION

## (57)Abstract:

PURPOSE: To provide an impact-resistant thermoplastic resin compsn. having excellent heat resistance, by blending specified copolymers.

CONSTITUTION: 70W40pts.wt. monomer mixture consisting of 55W80wt% mixture of styrene and  $\alpha$ -methylstyrene, 13W35wt% vinyl cyanide compd. such as acrylonitrile and 5W20wt% methyl methacrylate, is emulsion-polymerized in the presence of 30W60pts.wt. (on a solid basis) butadiene rubbery polymer latex contg. 10W30wt% particles having a particle size of 0.4 $\mu$  or larger (with the proviso that the amount of styrene is 20W50wt% of the rubbery polymer) to produce a graft copolymer (A). 55W75wt%  $\alpha$ -methylstyrene, 10W25wt% vinyl cyanide compd. and 3W30wt% methyl methacrylate are emulsion-polymerized to produce a copolymer (B). The copolymers A and B are mixed together to produce a resin compsn. having a rubbery polymer content of 5W30wt%.

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